

I CLAIM:

1. A massager mountable in a spa wall, said spa wall having a massager opening therein, a spa surface, and an outer surface, the massager comprising:

5 a main housing having a wall mounting end supportable in said massager opening, a exterior end opposite the wall mounting end, and a main housing interior space;

a gear housing having a turbine end and a massager end, said gear housing being removably supported in said interior space of said main housing, wherein said massager end resides proximal to said spa surface, said gear housing being removable from said main housing interior space through said main housing wall mounting end;

10 a turbine residing at said turbine end of said gear housing; and

a rotating massager mechanically coupled to said turbine and residing proximal to said massager end of said gear housing, wherein said rotating massager extends past the spa surface and into the spa.

2. The massager of Claim 1, wherein the gear housing is threadably secured to said main housing.

3. The massager of Claim 1, wherein the turbine is mechanically coupled to said rotating massager by gears.

4. The massager of Claim 3, wherein the turbine is mechanically coupled to said rotating massager by at least one planetary gear assembly.
5. The massager of Claim 4, wherein the at least one planetary gear assembly comprises two planetary gear assemblies in series.
6. The massager of Claim 3, wherein the rotating massager is mechanically coupled to turn at approximately one twenty fifth the rate of rotation of the turbine.
7. The massager of Claim 1, wherein the rotating massager is adapted to rotate at approximately fifty to approximately eighty Revolutions Per Minute (RPM).
8. The massager of Claim 1, further including a water inlet and a water outlet disposed behind said outer surface.
9. The massager of Claim 8, further including a turbine housing supported by said main housing exterior end, said turbine housing including the water inlet and the water outlet.

10. The massager of Claim 1, wherein the rotating massager comprises a plurality of balls held by a rotating ball plate adapted to rotate about a central axis of said gear housing.

11. The massager of Claim 7, wherein the plurality of balls comprises three balls.

12. The massager of Claim 7, further including a boot covering the plurality of balls.

13. The massager of Claim 1, wherein the gear housing includes a handle portion graspable from the gear housing massager end whereby the gear housing may be manipulated to be released from said main housing.

14. A method for providing a massage, the method comprising:

injecting a flow of water through a turbine residing behind a spa wall;

spinning a turbine shaft; and

rotationally coupling the turbine shaft to a rotating massager residing proximal to

5 a spa wall, wherein the coupling reduces the rotational speed of the rotating massager relative to the turbine.

15. The method of Claim 14 wherein spinning a turbine shaft comprises spinning a turbine shaft at from approximately 1500 Revolutions Per Minute (RPM) to approximately 2000 RPM.

16. The method of Claim 14 wherein rotationally coupling the turbine shaft to a massager comprises rotating the massager at from approximately 50 Revolutions Per Minute (RPM) to approximately 80 RPM.

17. The method of Claim 14, wherein rotationally coupling comprises rotationally coupling the turbine to the massager wherein the massager rotates at approximately one twenty fifth the angular velocity of the turbine.

18. A water powered rotating massager comprising:
a water inlet for receiving a flow of water;
a turbine rotatable by the flow of water;
a rotation rate reduction mechanism connected to the turbine; and
a rotating massager connected to the rotation rate reduction mechanism.

19. The massager of claim 18 wherein the rotating massager resides within a casing suitable for hand held use, said case connected to an inlet line.

20. The massager of claim 18 wherein the rotating massager comprises a plurality of balls held by a rotating ball plate which rotated about a central axis of said gear housing.